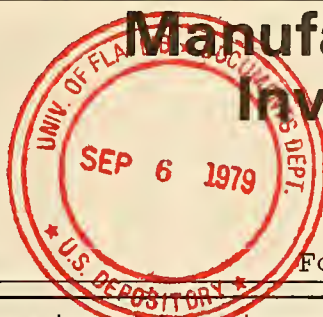




U.S. Department of Commerce
BUREAU OF THE CENSUS



Manufacturers' Shipments, Inventories, and Orders

JUNE 1979

M3-1(79)-6

For Release 2:30 PM, Wednesday, August 1, 1979

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured products declined \$1.9 billion or 1.3 percent to \$143.6 billion, the Department of Commerce, Bureau of the Census reported today. Shipments also declined, down \$3.0 billion or 2.1 percent to \$140.1 billion, while inventories increased \$3.1 billion or 1.5 percent to \$214.4 billion.

Most of the decline in new orders occurred in the durable goods industries, which dropped \$1.6 billion or 2.0 percent to \$77.2 billion. An increase of \$1.7 billion or 28 percent in aircraft parts orders was more than offset by declines in the automotive, shipbuilding, and railroad industries, resulting in a \$1.1 billion or 5.4 percent net decline in transportation equipment new orders. A \$1.5 billion decline in motor vehicle and parts reflected a similar decline in shipments for this category, since new orders in automotive assembly, which is the major part of this category, are considered equal to shipments.

New orders for fabricated metal products dropped sharply, down to \$0.8 billion or 8.1 percent to \$8.8 billion, while steel order declines more than offset gains in nonferrous metals orders, netting a decline in orders for the primary metals industries as a group of \$0.2 billion or 1.7 percent to \$11.7 billion. This is the third consecutive month that steel orders have declined. New orders for machinery rose in June, with the electrical category increasing \$0.3 billion or 2.9 percent to \$9.7 billion and the nonelectrical category up \$0.2 billion or 1.8 percent to \$13.6 billion.

New orders for the nondefense capital goods industries increased \$1.2 billion or 5.7 percent to \$23.0 billion. Orders for commercial aircraft and aircraft parts more than offset declines in most of the other categories. Without aircraft, orders for nondefense capital goods declined \$0.9 billion or 4.8 percent. New orders for defense capital goods dropped sharply, down \$1.1 billion or 29 percent to \$2.8 billion, with declines occurring in all industries except aircraft parts.

The drop of \$3.0 billion in manufacturers' shipments for June was widespread, with 13 of the 20 major industry groups reporting declines. The largest drop in the durable goods category, which was down 2.6 billion or 3.4 percent to \$73.8 billion, occurred in motor vehicle and parts shipments, down \$1.5 billion or 12.4 percent to \$10.6 billion. A drop in steel shipments of \$0.6 billion or 9.9 percent to \$5.8 billion also contributed significantly to the decline. An increase in shipments of electrical machinery manufacturers was the only significant increase, up \$0.3 billion or 3.8 percent to \$9.4 billion.

Shipments for the nondefense capital goods industries as a group were down \$0.4 billion or 1.9 percent to \$19.1 billion, while defense capital goods shipments increased \$0.3 billion or 9.9 percent to \$3.3 billion.

Shipments for the nondurable goods industries also declined in June, down \$0.4 billion or 0.7 percent to \$66.3 billion. The largest declines were reported by the tobacco industry, down \$0.2 billion or 19.3 percent; the paper industry, down \$0.2 billion or 3.0 percent to \$5.5 billion; and the foods industry, down \$0.2 billion or 1.2 percent to \$19.5 billion.

Unfilled orders for manufactured products rose in June, up \$3.5 billion or 1.3 percent to \$274.3 billion. The average monthly increase for the second quarter of the year was 1.4 percent compared to a 3.1 percent per monthly average recorded in the first quarter. Backlog of aircraft orders continued to rise sharply, up \$3.7 billion or 5.2 percent to \$74.4 billion. Excluding the aircraft orders backlog, unfilled orders for durable goods declined \$0.2 billion. A \$0.9 billion or 1.0 percent increase in machinery orders backlog was offset by declines in several other industry categories.

The value of manufacturers' inventories continued to increase in June, up \$3.1 billion or 1.5 percent to \$214.4 billion. Durable goods inventories increased \$2.1 billion or 1.5 percent to \$141.6 billion, with virtually all industry categories except motor vehicle parts reporting increases. Inventories of nondefense capital goods manufacturers rose \$1.1 billion or 2.1 percent to \$53.7 billion.

Inventories of nondurable goods manufacturers increased significantly in June, up \$1.0 billion or 1.5 percent to \$72.8 billion. With the exception of a 1.6 percent increase in April which was coincident with the truckers' strike, this is the largest increase recorded since the 1.5 percent increase in April of 1977.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for July is scheduled for release on August 21, 1979 and the full report is scheduled for release on August 30, 1979.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell, (301) 763-2502.

For sale by the Subscriber Services Section (Publications), Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price 30 cents per copy, \$3.60 per year.

Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

| SIC | Industry | Seasonally adjusted | | | | | Without seasonal adjustment ¹ | | | | | | | | | | | |
|--|--|---|-----------------------|-----------|-----------|---------|--|---------|------------------------|-----------------------|-----------|-----------|----------------------------|----------|-----------|-----------|---------|--------------|
| | | Monthly | | | Quarterly | | Monthly | | | | | | | | | | | |
| | | June 1979 ^b | May 1979 ^c | Apr. 1979 | Mar. 1979 | II 1979 | I 1979 | IV 1978 | Last 4 months | | | | Last 4 months (a year ago) | | | | 1979 | Year to date |
| | | | | | | | | | June 1979 ^b | May 1979 ^c | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Apr. 1978 | Mar. 1978 | | |
| ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL | | | | | | | | | | | | | | | | | | |
| | All manufacturing industries: | 140,087 | 143,095 | 135,739 | 143,789 | 278,834 | 415,753 | 398,096 | 147,688 | 145,018 | 138,291 | 148,878 | 131,727 | 125,144 | 127,014 | 125,225 | 841,815 | 733,884 |
| | Total..... | 123,988 | 125,402 | 119,085 | 125,408 | 244,487 | 360,976 | 346,722 | 129,945 | 126,345 | 120,741 | 129,069 | 114,187 | 108,311 | 109,927 | 108,550 | 733,095 | 637,296 |
| | Total, excluding transportation..... | 74,463 | 75,962 | 72,405 | 76,762 | 148,367 | 220,737 | 211,474 | 79,191 | 77,135 | 73,329 | 79,718 | 69,964 | 65,536 | 66,589 | 65,948 | 447,941 | 385,156 |
| | Total for industries with unfilled orders..... | 73,763 | 76,329 | 72,092 | 77,735 | 148,421 | 225,005 | 215,356 | 79,855 | 78,630 | 74,172 | 81,626 | 71,839 | 67,357 | 68,379 | 67,473 | 454,563 | 392,242 |
| | Durable goods industries, total. | 60,318 | 61,570 | 58,539 | 62,825 | 120,109 | 180,165 | 172,233 | 64,756 | 62,929 | 59,534 | 65,547 | 56,955 | 52,976 | 53,869 | 53,479 | 365,350 | 311,105 |
| | Durable goods with unfilled orders..... | 66,324 | 66,766 | 63,647 | 66,054 | 130,413 | 190,748 | 182,740 | 67,833 | 66,388 | 64,119 | 67,252 | 59,888 | 57,787 | 58,635 | 57,752 | 387,252 | 341,644 |
| | Nondurable goods industries, total..... | 14,145 | 14,392 | 13,866 | 13,937 | 28,258 | 40,572 | 39,241 | 14,435 | 14,206 | 13,795 | 14,171 | 13,009 | 12,560 | 12,720 | 12,469 | 82,591 | 74,051 |
| | Nondurable goods with unfilled orders..... | MARKET CATEGORIES AND SUPPLEMENTAL SERIES | | | | | | | | | | | | | | | | |
| | Market categories: | 10,561 | 10,352 | 9,913 | 10,268 | 20,265 | 29,951 | 29,718 | 10,764 | 9,916 | 9,644 | 10,567 | 9,714 | 9,003 | 9,367 | 9,466 | 59,247 | 54,376 |
| | Home goods and apparel..... | 24,356 | 24,973 | 24,301 | 25,196 | 49,274 | 72,888 | 70,634 | 24,706 | 24,540 | 24,028 | 25,251 | 22,874 | 22,158 | 22,230 | 22,263 | 144,909 | 130,935 |
| | Equipment and defense products, except automotive..... | 19,171 | 19,442 | 19,284 | 19,956 | 38,726 | 57,643 | 54,975 | 20,791 | 19,824 | 19,720 | 21,088 | 18,406 | 16,602 | 16,928 | 17,107 | 117,536 | 98,576 |
| | Automotive equipment..... | 12,218 | 13,825 | 12,637 | 14,222 | 26,462 | 43,182 | 41,145 | 13,658 | 14,708 | 13,566 | 15,441 | 14,052 | 13,738 | 14,032 | 13,565 | 85,223 | 78,100 |
| | Construction materials, supplies, and intermediate products..... | 12,436 | 12,430 | 11,907 | 12,621 | 24,337 | 35,639 | 35,115 | 13,702 | 13,084 | 12,320 | 12,569 | 11,890 | 11,214 | 11,018 | 10,243 | 72,023 | 61,569 |
| | Other materials and supplies and intermediate products.... | 61,345 | 62,073 | 57,697 | 61,526 | 119,770 | 176,450 | 166,509 | 64,067 | 62,946 | 59,013 | 63,962 | 54,791 | 52,429 | 53,439 | 52,581 | 362,877 | 310,328 |
| | Supplementary series: ² | 4,663 | 4,541 | 4,597 | 4,709 | 9,138 | 13,593 | 13,409 | 4,806 | 4,498 | 4,456 | 4,850 | 4,492 | 4,093 | 4,250 | 4,433 | 26,860 | 24,558 |
| | Household durable goods industries..... | 22,362 | 22,436 | 22,348 | 23,281 | 44,784 | 67,118 | 63,768 | 24,176 | 22,686 | 22,588 | 24,498 | 21,255 | 19,244 | 19,734 | 19,348 | 136,156 | 115,362 |
| | Capital goods industries..... | 19,070 | 19,440 | 19,161 | 20,044 | 38,601 | 57,931 | 55,104 | 20,750 | 19,635 | 19,421 | 21,200 | 18,268 | 16,393 | 16,820 | 17,011 | 117,610 | 98,513 |
| | Nondefense..... | 3,292 | 2,996 | 3,187 | 3,237 | 6,183 | 9,187 | 8,664 | 3,426 | 3,051 | 3,167 | 3,298 | 2,987 | 2,851 | 2,914 | 2,937 | 18,546 | 16,849 |
| | Defense..... | INDUSTRY GROUPS AND INDUSTRIES | | | | | | | | | | | | | | | | |
| | Durable goods industries: | 4,150 | 4,152 | 3,871 | 3,928 | 8,023 | 11,277 | 11,679 | 4,506 | 4,263 | 3,924 | 3,989 | 4,039 | 3,809 | 3,706 | 3,449 | 23,215 | 20,767 |
| 32 | Stone, clay, and glass products..... | 321 | 331 | 339 | 306 | 670 | 951 | 972 | 347 | 335 | 314 | 364 | 318 | 350 | 315 | 310 | 1,949 | 1,842 |
| 322 | Glass containers..... | | | | | | | | | | | | | | | | | |
| 33 | Primary metals, total..... | 11,656 | 12,460 | 10,551 | 12,270 | 23,011 | 34,962 | 33,155 | 12,543 | 13,055 | 11,024 | 13,122 | 10,609 | 10,086 | 10,252 | 9,957 | 71,748 | 58,724 |
| 331 | Blast furnaces, steel mills. | 5,807 | 6,443 | 4,869 | 6,175 | 11,312 | 17,139 | 16,683 | 6,155 | 6,656 | 5,001 | 6,725 | 5,366 | 5,105 | 5,102 | 5,100 | 35,470 | 29,743 |
| 333-9 | Nonferrous and other primary metals..... | 4,771 | 4,848 | 4,576 | 4,898 | 9,424 | 14,388 | 13,091 | 5,195 | 5,173 | 4,841 | 5,143 | 4,123 | 3,884 | 4,057 | 3,864 | 29,254 | 22,839 |
| 34 | Fabricated metal prod., total. | 9,104 | 9,361 | 8,731 | 9,878 | 18,092 | 27,526 | 25,840 | 9,808 | 9,640 | 8,914 | 9,961 | 8,510 | 8,110 | 8,184 | 7,919 | 55,024 | 46,537 |
| 341 | Metal cans, barrels, and drums..... | 826 | 878 | 820 | 937 | 1,698 | 2,622 | 2,524 | 928 | 897 | 808 | 875 | 918 | 818 | 805 | 734 | 5,004 | 4,630 |
| 35 | Machinery, except electrical, total..... | 13,044 | 13,265 | 13,046 | 13,299 | 26,311 | 38,530 | 37,483 | 14,213 | 13,461 | 13,386 | 14,363 | 12,453 | 11,259 | 11,685 | 11,860 | 80,014 | 67,581 |
| 351 | Engines and turbines..... | 1,104 | 1,061 | 1,147 | 1,085 | 2,208 | 3,322 | 3,173 | 1,200 | 1,076 | 1,145 | 1,275 | 1,012 | 925 | 1,024 | 1,188 | 6,880 | 5,985 |
| 352 | Farm machinery and equipment | 1,078 | 1,167 | 1,027 | 1,018 | 2,194 | 2,917 | 2,943 | 1,172 | 1,236 | 1,223 | 1,243 | 1,049 | 968 | 1,076 | 1,070 | 6,782 | 5,903 |
| 353 | Construction, mining, and material handling equipment | 2,561 | 2,648 | 2,630 | 2,673 | 5,278 | 7,708 | 7,916 | 2,786 | 2,732 | 2,777 | 2,806 | 2,490 | 2,337 | 2,435 | 2,278 | 16,095 | 13,847 |
| 354 | Metalworking machinery..... | 778 | 744 | 750 | 760 | 1,494 | 2,205 | 2,128 | 865 | 732 | 768 | 863 | 751 | 655 | 653 | 702 | 4,625 | 3,927 |
| 356 | General industrial machinery | 1,045 | 1,059 | 1,068 | 1,116 | 2,127 | 3,292 | 2,953 | 1,147 | 1,087 | 1,082 | 1,164 | 1,010 | 936 | 965 | 957 | 6,560 | 5,511 |

See footnotes at end of table.

Table 1.--VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

| SIC | Industry | Seasonally adjusted | | | | | Without seasonal adjustment ¹ | | | | | | | | | | Year to date | | | | |
|--|---|---------------------------|--------------------------|--------------|--------------|--------|--|------------|------------|---------------------------|--------------------------|--------------|--------------|--------------|----------------------------|--------------|--------------|---------|--|------|------|
| | | Monthly | | | | | Quarterly | | | Monthly | | | | | | | | | | 1979 | 1978 |
| | | Monthly | | | | | I 1979 | II 1979 | IV 1978 | Last 4 months | | | | | Last 4 months (a year ago) | | | | | | |
| | | June 1979 ^b | May 1979 ^c | Apr. 1979 | Mar. 1979 | | | | | June 1979 ^b | May 1979 ^c | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Apr. 1978 | Mar. 1978 | | | | |
| INDUSTRY GROUPS, AND INDUSTRIES--Continued | | | | | | | | | | | | | | | | | | | | | |
| 36 | Electrical machinery, total... | 9,421 | 9,080 | 8,881 | 9,345 | 17,961 | 27,237 | 25,823 | 9,952 | 8,996 | 8,880 | 9,568 | 8,627 | 7,848 | 8,119 | 8,175 | 54,638 | 47,730 | | | |
| 361.2 | Electrical transmission and distribution equipment and apparatus... | 1,684 | 1,694 | 1,621 | 1,691 | 3,315 | 5,025 | 4,569 | 1,815 | 1,718 | 1,652 | 1,760 | 1,532 | 1,413 | 1,476 | 1,462 | 10,231 | 8,777 | | | |
| 363 | Household appliances... | 1,083 | 1,070 | 1,020 | 1,011 | 2,090 | 3,068 | 3,023 | 1,178 | 1,085 | 1,026 | 1,072 | 1,009 | 1,071 | 1,071 | 1,079 | 6,223 | 6,034 | | | |
| 365 | Radio and TV... | 723 | 745 | 745 | 700 | 1,358 | 2,067 | 1,981 | 712 | 557 | 627 | 669 | 667 | 516 | 522 | 547 | 3,849 | 3,429 | | | |
| 366 | Communication equipment... | 2,753 | 2,514 | 2,398 | 2,763 | 4,912 | 7,671 | 7,329 | 2,891 | 2,551 | 2,539 | 2,859 | 2,215 | 2,289 | 2,289 | 2,313 | 15,657 | 13,280 | | | |
| 367 | Electronic components... | 1,529 | 1,475 | 1,426 | 1,437 | 2,901 | 4,171 | 3,869 | 1,563 | 1,463 | 1,465 | 1,464 | 1,248 | 1,219 | 1,262 | 1,252 | 8,657 | 7,349 | | | |
| 37 | Transportation equipment, total... | 16,099 | 17,693 | 16,654 | 18,381 | 34,347 | 54,777 | 51,374 | 17,743 | 18,673 | 17,550 | 19,809 | 17,540 | 16,833 | 17,087 | 16,675 | 108,720 | 96,588 | | | |
| 371 | Motor vehicles and parts... | 10,647 | 12,158 | 10,862 | 12,314 | 23,020 | 37,292 | 35,566 | 11,858 | 12,883 | 11,568 | 13,424 | 12,035 | 11,780 | 11,920 | 11,641 | 74,139 | 67,046 | | | |
| 372.6 | Aircraft, missiles, and parts... | 3,860 | 3,987 | 3,989 | 4,329 | 7,976 | 11,990 | 10,822 | 4,127 | 4,118 | 4,034 | 4,563 | 3,781 | 3,299 | 3,349 | 3,477 | 24,031 | 19,902 | | | |
| 3731 | Shipbuilding and military tank vehicles... | 673 | 606 | 788 | 630 | 1,394 | 2,017 | 2,029 | 737 | 627 | 784 | 636 | 688 | 691 | 694 | 582 | 4,035 | 3,787 | | | |
| 38 | Instruments and related products, total... | 2,937 | 2,888 | 2,807 | 2,935 | 5,695 | 8,452 | 8,188 | 3,105 | 2,859 | 2,757 | 2,971 | 2,826 | 2,575 | 2,522 | 2,661 | 16,864 | 15,125 | | | |
| 381-4 | Scientific and engineering... | 1,709 | 1,682 | 1,603 | 1,723 | 3,285 | 4,890 | 4,710 | 1,807 | 1,692 | 1,615 | 1,766 | 1,643 | 1,490 | 1,471 | 1,542 | 9,955 | 8,907 | | | |
| 386 | Photographic goods... | 1,026 | 990 | 1,001 | 1,021 | 1,991 | 3,007 | 2,942 | 1,088 | 966 | 949 | 1,003 | 988 | 907 | 873 | 931 | 5,754 | 5,164 | | | |
| 24 | All other durable goods industries... | 7,352 | 7,430 | 7,551 | 7,699 | 14,981 | 22,244 | 21,814 | 7,985 | 7,683 | 7,737 | 7,843 | 7,235 | 6,837 | 6,824 | 6,777 | 44,350 | 39,188 | | | |
| 25 | Nondurable goods industries: Food and kindred products, total... | 19,532 | 19,778 | 19,268 | 20,124 | 39,046 | 57,912 | 56,268 | 19,727 | 19,529 | 19,013 | 20,158 | 18,024 | 17,778 | 17,539 | 17,694 | 115,486 | 103,768 | | | |
| 20 | Meat products... | 5,048 | 5,347 | 5,295 | 5,575 | 10,642 | 16,092 | 15,253 | 5,089 | 5,368 | 5,189 | 5,424 | 4,707 | 4,937 | 4,687 | 4,530 | 31,327 | 27,327 | | | |
| 201 | Beverages... | 2,216 | 2,278 | 2,296 | 2,271 | 4,574 | 6,704 | 6,189 | 2,349 | 2,371 | 2,285 | 2,349 | 2,074 | 2,117 | 2,117 | 1,982 | 13,327 | 11,850 | | | |
| 208 | Fats and oils... | 1,621 | 1,575 | 1,492 | 1,643 | 3,067 | 4,738 | 4,526 | 1,595 | 1,553 | 1,535 | 1,648 | 1,409 | 1,459 | 1,459 | 1,553 | 9,508 | 8,191 | | | |
| 207 | All other foods... | 7,913 | 7,886 | 7,682 | 8,084 | 15,568 | 22,970 | 22,770 | 7,795 | 7,547 | 7,498 | 8,189 | 7,159 | 7,010 | 7,011 | 7,589 | 45,905 | 42,664 | | | |
| 203-6,9 | Tobacco products... | 826 | 1,024 | 977 | 1,010 | 2,001 | 2,974 | 2,969 | 863 | 1,040 | 952 | 985 | 1,003 | 835 | 903 | 876 | 5,713 | 5,215 | | | |
| 21 | Textile mill products... | 3,944 | 3,922 | 3,900 | 3,848 | 7,822 | 11,363 | 11,085 | 4,177 | 3,973 | 3,838 | 4,077 | 3,818 | 3,743 | 3,912 | 3,691 | 23,221 | 21,942 | | | |
| 22 | Paper and allied products, total... | 5,464 | 5,633 | 5,450 | 5,575 | 11,083 | 15,823 | 15,026 | 5,745 | 5,637 | 5,464 | 5,639 | 5,066 | 4,803 | 4,759 | 4,775 | 32,601 | 28,298 | | | |
| 26 | Pulp, paper, etc... | 2,479 | 2,533 | 2,467 | 2,600 | 5,000 | 7,141 | 6,534 | 2,553 | 2,569 | 2,506 | 2,610 | 2,232 | 2,174 | 2,104 | 2,130 | 14,705 | 12,580 | | | |
| 261-3 | Paperboard containers... | 1,189 | 1,225 | 1,214 | 1,231 | 2,439 | 3,589 | 3,413 | 1,229 | 1,234 | 1,221 | 1,251 | 1,123 | 1,105 | 1,086 | 1,079 | 7,227 | 6,397 | | | |
| 265 | All other paper containers... | 1,737 | 1,875 | 1,769 | 1,744 | 3,644 | 5,093 | 5,079 | 1,899 | 1,834 | 1,737 | 1,778 | 1,711 | 1,524 | 1,569 | 1,566 | 10,605 | 9,121 | | | |
| 264 | Chemicals and allied products, total... | 12,423 | 12,338 | 11,645 | 12,300 | 23,983 | 35,477 | 33,096 | 12,940 | 12,838 | 12,443 | 13,084 | 11,161 | 10,841 | 11,434 | 11,010 | 73,757 | 64,121 | | | |
| 28 | Industrial chemicals, except pigments... | 4,402 | 4,296 | 4,048 | 4,329 | 8,344 | 12,117 | 11,395 | 4,560 | 4,460 | 4,356 | 4,576 | 3,691 | 3,636 | 3,714 | 3,684 | 21,369 | 21,369 | | | |
| 281.6 | Drugs, soap, and toiletries... | 3,129 | 3,184 | 3,095 | 3,271 | 6,279 | 9,525 | 8,980 | 3,220 | 2,964 | 3,070 | 3,424 | 2,920 | 2,594 | 2,715 | 2,852 | 18,790 | 16,450 | | | |
| 283.4 | Petroleum and coal products... | 10,567 | 10,489 | 9,733 | 10,082 | 20,222 | 28,594 | 27,115 | 10,726 | 10,277 | 9,695 | 9,907 | 8,721 | 8,273 | 8,207 | 8,019 | 59,255 | 49,376 | | | |
| 29 | Rubber and plastics products, n.e.c... | 3,790 | 3,805 | 3,653 | 3,935 | 7,458 | 11,366 | 10,352 | 4,020 | 3,884 | 3,812 | 4,145 | 3,491 | 3,306 | 3,462 | 3,400 | 23,027 | 19,739 | | | |
| 30 | All other nondurable goods industries... | 9,778 | 9,777 | 9,021 | 9,180 | 18,798 | 27,239 | 26,829 | 9,635 | 9,210 | 8,902 | 9,257 | 8,604 | 8,208 | 8,419 | 8,287 | 54,192 | 49,185 | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | |

¹Preliminary.²Revised.
³Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.⁴The supplementary series are regroupings of the separate industry categories as follows:Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.
Capital goods industries--The capital goods industries series is comparable to the previous Producers' Capital goods and the Defense Products (old series) categories.
Nondefense products--Machinery, except electrical (excluding farm machinery and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.
Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, Shipments of Defense-Oriented Industries, for the specified industries.

Table 2.--VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

4

(Millions of dollars)

| SIC | Industry | Seasonally adjusted | | | | | | | | | | Without seasonal adjustment ¹ | | | | | | | | | |
|--|---|---------------------|-----------|-----------|-----------|---------|----------------------------|---------|------------|-----------|-----------|--|-----------|----------|-----------|-----------|---------|---------|--------------|--|--|
| | | Monthly | | | | | Quarterly | | | | | Monthly | | | | | | | | | |
| | | Last 4 months | | | | | Last 4 months (a year ago) | | | | | Last 4 months (a year ago) | | | | | | | | | |
| | | June 1979p | May 1979p | Apr. 1979 | Mar. 1979 | II 1979 | I 1979 | IV 1978 | June 1979p | May 1979p | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Apr. 1978 | Mar. 1978 | 1979 | 1978 | Year to date | | |
| ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL | | | | | | | | | | | | | | | | | | | | | |
| | All manufacturing industries: Total..... | 143,631 | 145,570 | 141,017 | 150,033 | 286,587 | 437,834 | 415,203 | 150,508 | 145,607 | 143,859 | 154,658 | 134,171 | 128,665 | 130,899 | 129,668 | 873,178 | 755,957 | | | |
| | Total, excluding trans- portation..... | 124,734 | 125,596 | 122,068 | 129,587 | 247,664 | 374,927 | 353,567 | 130,954 | 125,816 | 124,463 | 133,261 | 115,099 | 110,612 | 112,713 | 110,855 | 752,225 | 651,853 | | | |
| | Total for industries with unfilled orders..... | 78,007 | 78,437 | 77,683 | 83,006 | 156,120 | 242,818 | 228,581 | 82,011 | 77,724 | 78,897 | 85,498 | 72,408 | 69,057 | 70,474 | 70,391 | 479,304 | 407,229 | | | |
| | Durable goods industries, total..... | 77,236 | 78,824 | 77,284 | 84,162 | 156,108 | 247,129 | 232,261 | 82,741 | 79,361 | 79,340 | 87,519 | 74,237 | 70,723 | 71,890 | 71,712 | 485,390 | 413,077 | | | |
| | Durable goods with unfilled orders..... | 63,791 | 64,065 | 63,731 | 69,252 | 127,796 | 202,289 | 189,138 | 67,642 | 63,660 | 64,702 | 71,440 | 59,353 | 56,342 | 57,380 | 57,718 | 396,177 | 331,942 | | | |
| | Nondurable goods industries, total..... | 66,395 | 66,746 | 63,733 | 65,871 | 130,479 | 190,705 | 182,942 | 67,767 | 66,246 | 64,519 | 67,139 | 59,934 | 57,942 | 59,009 | 57,956 | 387,788 | 342,880 | | | |
| | Industries with unfilled orders..... | 14,216 | 14,372 | 13,952 | 13,754 | 28,324 | 40,529 | 39,443 | 14,369 | 14,064 | 14,195 | 14,058 | 13,055 | 12,715 | 13,094 | 12,673 | 83,127 | 75,287 | | | |
| | Industries without unfilled orders..... | 52,179 | 52,374 | 49,781 | 52,117 | 102,155 | 150,176 | 143,499 | 53,398 | 52,182 | 50,324 | 53,081 | 46,879 | 45,227 | 45,915 | 45,283 | 304,661 | 267,593 | | | |
| MARKET CATEGORIES AND SUPPLEMENTARY SERIES | | | | | | | | | | | | | | | | | | | | | |
| | Market categories: | | | | | | | | | | | | | | | | | | | | |
| | Home goods and apparel..... | 10,761 | 10,112 | 10,133 | 10,436 | 20,245 | 30,601 | 29,309 | 11,167 | 9,742 | 9,932 | 10,752 | 9,738 | 9,093 | 9,539 | 9,446 | 60,433 | 54,855 | | | |
| | Consumer staples..... | 24,294 | 24,976 | 24,316 | 25,203 | 49,292 | 72,918 | 70,590 | 24,639 | 24,536 | 24,002 | 25,228 | 22,843 | 22,147 | 22,243 | 22,239 | 144,833 | 130,934 | | | |
| | Equipment and defense prod- ucts, except automotive..... | 20,642 | 21,948 | 20,791 | 23,992 | 42,739 | 68,286 | 64,276 | 21,769 | 20,919 | 21,188 | 24,460 | 19,621 | 18,530 | 18,795 | 19,297 | 130,416 | 109,120 | | | |
| | Automotive equipment..... | 12,057 | 13,641 | 12,658 | 13,941 | 26,299 | 43,993 | 42,489 | 13,451 | 14,486 | 13,515 | 15,140 | 14,058 | 13,805 | 13,985 | 13,753 | 84,992 | 78,644 | | | |
| | Construction materials, sup- plies, and intermediate prod- ucts..... | 12,195 | 12,443 | 12,406 | 13,026 | 24,849 | 36,598 | 35,619 | 13,584 | 13,048 | 12,822 | 12,942 | 11,910 | 11,118 | 11,584 | 10,337 | 73,197 | 63,035 | | | |
| | Other materials and supplies and intermediate products.... | 63,682 | 62,450 | 60,713 | 63,435 | 123,163 | 186,038 | 172,920 | 65,898 | 62,876 | 62,400 | 66,136 | 56,001 | 53,972 | 54,753 | 54,596 | 379,307 | 319,369 | | | |
| | Supplementary series: ² | | | | | | | | | | | | | | | | | | | | |
| | Household durable goods indus- tries..... | 4,801 | 4,312 | 4,812 | 4,840 | 9,124 | 14,139 | 13,061 | 5,129 | 4,333 | 4,695 | 4,975 | 4,539 | 4,172 | 4,404 | 4,386 | 27,807 | 24,954 | | | |
| | Capital goods industries..... | 25,753 | 25,612 | 24,816 | 27,730 | 50,428 | 80,011 | 75,780 | 26,751 | 24,407 | 24,946 | 28,194 | 22,835 | 21,294 | 21,580 | 22,493 | 154,635 | 126,737 | | | |
| | Nondefense..... | 23,026 | 21,788 | 21,355 | 24,430 | 43,143 | 69,931 | 63,584 | 23,884 | 21,216 | 21,799 | 24,946 | 19,281 | 17,768 | 17,785 | 18,039 | 135,622 | 106,047 | | | |
| | Defense..... | 2,727 | 3,824 | 3,461 | 3,300 | 7,285 | 10,080 | 12,196 | 2,867 | 3,191 | 3,147 | 3,248 | 3,554 | 3,526 | 3,795 | 4,454 | 19,013 | 20,690 | | | |
| INDUSTRY GROUPS AND INDUSTRIES | | | | | | | | | | | | | | | | | | | | | |
| | Durable goods industry: | | | | | | | | | | | | | | | | | | | | |
| | Stone, clay and glass..... | 4,150 | 4,148 | 4,139 | 3,948 | 8,287 | 11,207 | 11,893 | 4,515 | 4,249 | 4,234 | 3,980 | 4,092 | 3,734 | 3,809 | 3,545 | 23,569 | 21,201 | | | |
| | Primary metals, total..... | 11,723 | 11,920 | 11,819 | 13,259 | 23,739 | 40,492 | 34,620 | 12,385 | 12,173 | 12,456 | 14,318 | 11,019 | 11,024 | 10,827 | 11,027 | 78,645 | 63,664 | | | |
| | Blast furnaces, steel mills, Nonferrous and other primary metal products..... | 5,622 | 5,867 | 6,029 | 7,012 | 11,896 | 21,727 | 17,153 | 5,946 | 5,759 | 6,338 | 7,536 | 5,743 | 5,821 | 5,570 | 5,780 | 40,722 | 33,402 | | | |
| | Fabricated metal products..... | 5,021 | 4,735 | 4,719 | 4,979 | 9,454 | 15,059 | 13,792 | 5,272 | 5,071 | 4,909 | 5,461 | 4,163 | 4,074 | 4,128 | 4,203 | 30,560 | 23,903 | | | |
| | Machinery, except electrical, total..... | 8,783 | 9,560 | 9,146 | 10,520 | 18,706 | 29,246 | 26,855 | 9,732 | 9,747 | 9,215 | 10,627 | 8,583 | 8,175 | 8,853 | 7,919 | 56,829 | 48,157 | | | |
| | Engines and turbines..... | 13,619 | 13,384 | 13,124 | 15,240 | 26,508 | 42,457 | 39,606 | 14,848 | 13,483 | 13,738 | 16,117 | 12,562 | 11,951 | 12,088 | 12,339 | 84,648 | 70,339 | | | |
| | Construction, mining, and material handling equipment Metalworking machinery..... | 1,206 | 1,055 | 957 | 1,270 | 2,012 | 3,567 | 3,509 | 1,291 | 999 | 980 | 1,371 | 837 | 940 | 934 | 1,344 | 6,809 | 5,532 | | | |
| | General industrial machinery | 2,315 | 2,451 | 2,806 | 2,404 | 5,257 | 7,894 | 8,282 | 2,651 | 2,587 | 2,902 | 2,648 | 2,403 | 2,510 | 2,662 | 2,440 | 16,133 | 14,726 | | | |
| | | 854 | 956 | 875 | 938 | 1,831 | 2,813 | 2,520 | 946 | 925 | 943 | 1,049 | 878 | 870 | 708 | 818 | 5,591 | 4,672 | | | |
| | | 1,183 | 1,174 | 1,046 | 1,261 | 2,220 | 3,588 | 3,027 | 1,241 | 1,152 | 1,159 | 1,287 | 1,056 | 812 | 965 | 898 | 7,036 | 5,515 | | | |

See footnotes at end of table.

Table 2.--VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES--Continued

| SIC | Industry | Seasonally adjusted | | | | Without seasonal adjustment ¹ | | | | | | | | | | | | |
|---|---|---------------------|-----------|-----------|-----------|--|--------|---------|---------------|-----------|-----------|-----------|----------------------------|----------|--------------|-----------|-----------|---------|
| | | Monthly | | | Quarterly | Monthly | | | | | | | | | Year to date | | | |
| | | June 1979p | May 1979r | Apr. 1979 | Mar. 1979 | II 1979 | I 1979 | IV 1978 | Last 4 months | | | | Last 4 months (a year ago) | | | | | |
| | | | | | | | | | June 1979p | May 1979r | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | | Apr. 1978 | Mar. 1978 | |
| INDUSTRY GROUPS AND INDUSTRIES--Continued | | | | | | | | | | | | | | | | | | |
| 36 | Electrical machinery, total... | 9,738 | 9,467 | 9,460 | 9,784 | 18,927 | 29,526 | 27,233 | 10,356 | 9,313 | 9,421 | 9,929 | 8,788 | 8,175 | 8,576 | 8,456 | 58,181 | 50,380 |
| 361,2 | Electrical transmission and distribution equipment and apparatus... | 1,825 | 1,714 | 1,822 | 1,694 | 3,536 | 5,230 | 4,806 | 1,907 | 1,717 | 1,891 | 1,765 | 1,512 | 1,372 | 1,562 | 1,564 | 10,796 | 9,215 |
| 362 | Household appliances... | 1,088 | 1,057 | 1,063 | 995 | 2,120 | 3,109 | 3,061 | 1,187 | 1,075 | 1,067 | 1,059 | 1,121 | 1,001 | 1,092 | 1,092 | 6,359 | 6,122 |
| 363 | Radio and TV... | 934 | 346 | 671 | 704 | 1,017 | 2,217 | 1,662 | 964 | 338 | 529 | 659 | 741 | 534 | 619 | 482 | 3,876 | 3,297 |
| 366 | Communication equipment... | 2,642 | 3,068 | 2,380 | 2,925 | 5,448 | 8,566 | 8,010 | 2,786 | 2,892 | 2,436 | 2,917 | 2,422 | 2,374 | 2,329 | 2,329 | 16,620 | 14,284 |
| 367 | Electronic components... | 1,591 | 1,556 | 1,822 | 1,720 | 3,378 | 5,161 | 4,641 | 1,698 | 1,660 | 1,865 | 1,777 | 1,361 | 1,349 | 1,460 | 1,426 | 10,406 | 8,330 |
| 37 | Transportation equipment, total... | 18,897 | 19,974 | 18,949 | 20,446 | 38,923 | 62,907 | 61,636 | 19,554 | 19,791 | 19,396 | 21,397 | 19,072 | 18,053 | 18,186 | 18,813 | 120,953 | 104,104 |
| 372,6 | Aircraft, missiles, and parts... | 7,520 | 5,870 | 6,212 | 5,953 | 12,082 | 18,963 | 18,471 | 6,585 | 5,164 | 5,640 | 5,885 | 5,233 | 4,349 | 4,532 | 4,196 | 35,321 | 25,259 |
| 3731 | Shipbuilding and military tank vehicles... | 245 | 957 | 892 | 923 | 1,849 | 1,992 | 2,852 | 488 | 771 | 951 | 888 | 519 | 468 | 499 | 1,846 | 4,297 | 4,371 |
| 3795 | Instrument and related products... | 3,083 | 2,899 | 2,874 | 3,152 | 5,773 | 8,785 | 8,546 | 3,335 | 2,850 | 2,859 | 3,166 | 2,909 | 2,675 | 2,621 | 2,814 | 17,502 | 15,680 |
| 38 | All other durable goods industries... | 7,243 | 7,472 | 7,773 | 7,813 | 15,245 | 22,509 | 21,872 | 8,016 | 7,755 | 8,021 | 7,985 | 7,212 | 6,936 | 6,930 | 6,799 | 45,033 | 39,552 |

Preliminary. Revised.

^aShipments and new orders are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows:

The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries - household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; optical/mic goods, watches, and clocks and miscellaneous personal goods, and clocks and miscellaneous

Capital goods Industries - The capital goods industries is comparable to the previous Producers' Capital Goods and the Defense Products (old series) categories.

Nondefense products—machinery, except electrical (excluding farm machinery and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products—based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, and shipbuilding. The data are comparable to those published annually in the MA-175, Shipments of Defense-Oriented Industries, for the specified industries.

For a more detailed discussion of the various methods used in this study, see the Appendix.

Table 3.--VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES
(Millions of dollars)

| SIC | Industry | Seasonally adjusted | | | | | | | | | | | | Without seasonal adjustment ¹ | | | | | | | | | | | | |
|--|---|------------------------|-----------------------|-----------|-----------|---------|----------|-----------|---------|---------|------------------------|-----------------------|-----------|--|-----------|----------|-----------|-----------|-----------|----------------------------|-----------|-----------|-----------|----------|-----------|-----------|
| | | Monthly | | | | | | Quarterly | | | | | | Monthly | | | | | | | | | | | | |
| | | Monthly | | | | | | Quarterly | | | | | | Last 4 months | | | | | | Last 4 months (a year ago) | | | | | | |
| | | June 1979 ^p | May 1979 ^r | Apr. 1979 | Mar. 1979 | IV 1978 | III 1978 | II 1978 | I 1978 | IV 1977 | June 1979 ^p | May 1979 ^r | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Apr. 1978 | Mar. 1978 | June 1977 | May 1977 | Apr. 1977 | Mar. 1977 | June 1976 | May 1976 | Apr. 1976 | Mar. 1976 |
| ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | All manufacturing industries: Total..... | 274,342 | 270,801 | 268,316 | 263,106 | 241,025 | 223,921 | 216,754 | 205,500 | 193,659 | 271,792 | 268,970 | 268,368 | 262,875 | 215,098 | 212,654 | 209,132 | 205,248 | | | | | | | | |
| | Total, excluding trans- portation..... | 174,845 | 174,103 | 173,897 | 170,984 | 157,031 | 150,188 | 146,725 | 141,020 | 133,132 | 174,934 | 173,920 | 174,437 | 170,789 | 146,734 | 145,819 | 143,518 | 140,731 | | | | | | | | |
| | Durable goods industries, total..... | 263,778 | 260,308 | 257,801 | 252,676 | 230,554 | 213,650 | 207,067 | 196,359 | 184,834 | 261,097 | 258,209 | 257,462 | 252,372 | 205,310 | 202,915 | 199,549 | 196,039 | | | | | | | | |
| | Nondurable goods industries, total..... | 10,564 | 10,493 | 10,515 | 10,430 | 10,471 | 10,271 | 9,687 | 9,141 | 8,825 | 10,695 | 10,761 | 10,906 | 10,503 | 9,788 | 9,739 | 9,583 | 9,209 | | | | | | | | |
| MARKET CATEGORIES AND SUPPLEMENTARY SERIES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Market categories: Home goods and apparel..... | 4,846 | 4,707 | 4,844 | 4,707 | 4,025 | 4,482 | 4,329 | 4,285 | 4,091 | 4,931 | 4,594 | 4,772 | 4,508 | 4,360 | 4,367 | 4,287 | 4,102 | | | | | | | | |
| | Consumer staples..... | 153,740 | 152,428 | 150,092 | 148,634 | 137,784 | 127,137 | 123,708 | 117,326 | 110,488 | 151,034 | 150,260 | 149,373 | 148,032 | 121,920 | 120,701 | 118,707 | 116,887 | | | | | | | | |
| | Automotive equipment..... | 21,270 | 21,514 | 21,501 | 21,002 | 20,043 | 19,539 | 20,269 | 19,852 | 18,765 | 21,229 | 21,346 | 21,382 | 20,880 | 20,230 | 20,208 | 20,304 | 19,739 | | | | | | | | |
| | Construction materials, sup- plies, and intermediate prods. Other materials and supplies and intermediate products.... | 94,486 | 92,152 | 91,779 | 88,763 | 79,173 | 72,763 | 68,448 | 64,037 | 60,315 | 94,598 | 92,770 | 92,841 | 89,455 | 68,588 | 67,378 | 65,834 | 64,520 | | | | | | | | |
| | Supplementary series: ² Household durable goods indus- tries..... | 3,970 | 3,832 | 4,061 | 3,844 | 3,299 | 3,669 | 3,546 | 3,486 | 3,389 | 4,052 | 3,728 | 3,893 | 3,654 | 3,589 | 3,544 | 3,463 | 3,310 | | | | | | | | |
| | Capital goods industries..... | 172,726 | 169,334 | 166,143 | 163,742 | 150,853 | 138,861 | 134,393 | 127,402 | 120,899 | 169,808 | 167,234 | 165,498 | 163,217 | 132,509 | 130,932 | 128,882 | 127,035 | | | | | | | | |
| | Nondefense..... | 127,482 | 123,526 | 121,165 | 119,040 | 107,041 | 98,560 | 94,768 | 90,712 | 85,893 | 125,284 | 122,150 | 120,555 | 118,254 | 93,488 | 92,476 | 91,101 | 90,136 | | | | | | | | |
| | Defense ³ | 45,244 | 45,808 | 44,978 | 44,702 | 43,812 | 40,261 | 39,625 | 36,690 | 35,006 | 44,524 | 45,084 | 44,943 | 44,963 | 39,021 | 38,456 | 37,781 | 36,899 | | | | | | | | |
| INDUSTRY GROUPS AND INDUSTRIES | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Durable goods industry: | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32 | Stone, clay and glass..... | 3,122 | 3,124 | 3,128 | 2,859 | 2,930 | 2,715 | 2,928 | 2,887 | 2,640 | 3,171 | 3,160 | 3,175 | 2,865 | 2,975 | 2,921 | 2,995 | 2,893 | | | | | | | | |
| 33 | Primary metals, total..... | 32,542 | 32,475 | 33,016 | 31,748 | 26,216 | 24,753 | 23,043 | 20,866 | 18,513 | 32,907 | 33,066 | 33,946 | 32,515 | 23,307 | 22,897 | 21,958 | 21,384 | | | | | | | | |
| 331 | Blast furnaces, steel mills..... | 21,647 | 21,833 | 22,409 | 21,250 | 16,662 | 16,193 | 15,344 | 13,689 | 11,852 | 21,864 | 22,073 | 22,969 | 21,632 | 15,497 | 15,120 | 14,403 | 13,936 | | | | | | | | |
| 333-6.9 | Nonferrous and other primary metal products..... | 8,403 | 8,152 | 8,266 | 8,122 | 7,450 | 6,750 | 6,158 | 5,696 | 5,350 | 8,571 | 8,495 | 8,596 | 8,529 | 6,281 | 6,242 | 6,052 | 5,981 | | | | | | | | |
| 34 | Fabricated metal products..... | 28,020 | 28,342 | 28,142 | 27,726 | 26,005 | 24,990 | 24,956 | 24,213 | 23,203 | 27,868 | 27,943 | 27,836 | 27,537 | 24,852 | 24,778 | 24,714 | 24,044 | | | | | | | | |
| 35 | Machinery, except electrical, total..... | 57,682 | 57,107 | 56,973 | 56,966 | 53,039 | 50,912 | 50,055 | 49,044 | 47,221 | 57,498 | 56,863 | 56,824 | 56,548 | 49,911 | 49,802 | 49,110 | 48,707 | | | | | | | | |
| 351 | Engines and turbines..... | 16,862 | 16,760 | 16,767 | 16,956 | 16,710 | 16,373 | 16,491 | 16,699 | 16,738 | 16,738 | 16,648 | 16,724 | 16,890 | 16,389 | 16,564 | 16,548 | 16,639 | | | | | | | | |
| 353 | Construction, mining, and material handling equip- ment..... | 7,836 | 8,082 | 8,278 | 8,102 | 7,916 | 7,549 | 7,577 | 7,369 | 6,805 | 7,907 | 8,042 | 8,187 | 8,062 | 7,645 | 7,732 | 7,559 | 7,332 | | | | | | | | |
| 354 | Metalworking machinery..... | 6,140 | 6,064 | 5,852 | 5,728 | 5,120 | 4,728 | 4,330 | 3,958 | 3,545 | 6,091 | 6,009 | 5,852 | 5,642 | 4,295 | 4,169 | 4,110 | 4,070 | | | | | | | | |
| 356 | General industrial machinery | 7,306 | 7,168 | 7,054 | 7,075 | 6,778 | 6,704 | 6,741 | 6,827 | 6,689 | 7,254 | 7,161 | 7,096 | 7,019 | 6,694 | 6,648 | 6,772 | 6,772 | | | | | | | | |

See footnotes at end of table.

Table 3.--VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES--Continued
(Millions of dollars)

| SIC | Industry group | Seasonally adjusted | | | | Quarterly | | | | Without seasonal adjustment ¹ | | | | | | | | |
|---|--|------------------------|-----------------------|-----------|-----------|-----------|----------|---------|--------|--|------------------------|-----------------------|-----------|-----------|-----------|----------|-----------|-----------|
| | | Monthly | | | | Quarterly | | | | Monthly | | | | | | | | |
| | | June 1979 ^b | May 1979 ^c | Apr. 1979 | Mar. 1979 | IV 1978 | III 1978 | II 1978 | I 1978 | IV 1977 | June 1979 ^b | May 1979 ^c | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Apr. 1978 | Mar. 1978 |
| INDUSTRY GROUPS AND INDUSTRIES--Continued | | | | | | | | | | | | | | | | | | |
| 36 | Electrical machinery, total... | 33,983 | 33,667 | 33,280 | 32,701 | 30,413 | 29,006 | 28,529 | 27,526 | 25,833 | 33,736 | 33,329 | 33,015 | 32,472 | 28,298 | 28,138 | 27,813 | 27,353 |
| 361.2 | Electrical transmission and distribution equipment and industrial apparatus..... | 7,316 | 7,176 | 7,156 | 6,956 | 6,751 | 6,515 | 6,457 | 6,406 | 6,017 | 7,250 | 7,157 | 7,160 | 6,921 | 6,399 | 6,439 | 6,461 | 6,374 |
| 363 | Household appliances..... | 485 | 480 | 493 | 451 | 410 | 372 | 400 | 448 | 368 | 499 | 489 | 498 | 458 | 411 | 422 | 430 | 455 |
| 365 | Radio and TV..... | 557 | 346 | 613 | 686 | 556 | 876 | 548 | 400 | 503 | 569 | 317 | 537 | 634 | 485 | 422 | 467 | 370 |
| 366 | Communication equipment..... | 15,553 | 15,664 | 15,109 | 15,126 | 14,232 | 13,551 | 13,640 | 13,093 | 12,333 | 15,241 | 15,345 | 15,004 | 15,086 | 13,368 | 13,350 | 13,144 | 13,058 |
| 367 | Electronic components..... | 9,091 | 9,029 | 8,949 | 8,554 | 7,564 | 6,792 | 6,646 | 6,347 | 5,826 | 9,191 | 9,056 | 8,860 | 8,460 | 6,719 | 6,606 | 6,476 | 6,277 |
| 37 | Transportation equipment, total..... | 99,497 | 96,698 | 94,419 | 92,122 | 83,994 | 73,733 | 70,029 | 64,480 | 60,527 | 96,858 | 95,050 | 93,931 | 92,086 | 68,364 | 66,835 | 65,614 | 64,517 |
| 372.6 | Aircraft, missiles, and parts..... | 74,352 | 70,691 | 68,810 | 66,586 | 59,613 | 51,964 | 48,756 | 43,396 | 41,275 | 71,873 | 69,416 | 68,369 | 66,763 | 47,218 | 45,768 | 44,719 | 43,536 |
| 3731 | Shipbuilding and military tank vehicles..... | 10,480 | 10,908 | 10,557 | 10,453 | 10,480 | 9,658 | 9,949 | 10,570 | 9,610 | 10,537 | 10,787 | 10,643 | 10,476 | 10,006 | 10,175 | 10,396 | 10,592 |
| 3795 | Instruments and related products..... | 5,664 | 5,519 | 5,509 | 5,442 | 5,107 | 4,748 | 4,497 | 4,293 | 4,007 | 5,706 | 5,477 | 5,486 | 5,384 | 4,531 | 4,448 | 4,349 | 4,250 |
| 38 | All other durable goods industries..... | 3,268 | 3,376 | 3,334 | 3,112 | 2,850 | 2,793 | 3,030 | 3,050 | 2,890 | 3,353 | 3,321 | 3,249 | 2,965 | 3,072 | 3,096 | 2,996 | 2,891 |

¹Preliminary.

²Revised.

³Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

⁴The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries - The capital goods industries series is comparable to the previous Producers' Capital Goods and the Defense Products (old series) categories.

Nondefense products - Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products - Based on separate reports on defense work filled by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, Shipments of Defense-Oriented Industries, for the specified industries.

⁵Beginning in 1976, the fiscal year for the Federal Government probably affected the awarding of contracts and other financial arrangements. Although the impact of this change is not known, the use of previously established seasonal factors would have substantially distorted the current data since these seasonal factors reflect historical Government purchasing patterns. Therefore, beginning in July 1977, new composite seasonal factors were developed by combining the existing end of fiscal year information with data for the previous calendar quarter (i.e., one quarter preceding the end of the fiscal year). These composite factors were applied to the unfilled orders data for each of the separately tabulated defense industries. This adjustment also modified the new orders data. Similar adjustments could not be made for nondefense Government orders since such data are not compiled separately. This method of calculating the seasonal factors will be used until a sufficient amount of data are available to assess the impact of the change in the fiscal year on the seasonal pattern of the defense industries.

Table 4.--VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES

(Billions of dollars)

| SIC | Industry | Seasonally adjusted | | | | Without seasonal adjustment ¹ | | | | | | | | | | | | | |
|---------|--|--|-----------------------|-----------|-----------|--|----------|---------|---------|---------|------------------------|-----------------------|-----------|-----------|----------------------------|----------|-----------|-----------|--|
| | | Monthly | | | Quarterly | | | Monthly | | | | | | | | | | | |
| | | June 1979 ^p | May 1979 ^r | Apr. 1979 | Mar. 1979 | IV 1978 | III 1978 | II 1978 | I 1978 | IV 1977 | Last 4 months | | | | Last 4 months (a year ago) | | | | |
| | | | | | | | | | | | June 1979 ^p | May 1979 ^r | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Apr. 1978 | Mar. 1978 | |
| | | ALL MANUFACTURING, DURABLE AND NONDURABLE GOODS, TOTAL | | | | | | | | | | | | | | | | | |
| | All manufacturing industries: Total..... | 214,404 | 211,286 | 208,964 | 205,393 | 197,802 | 194,063 | 189,557 | 183,860 | 179,714 | 213,536 | 212,188 | 210,238 | 207,135 | 188,846 | 188,499 | 186,844 | 185,448 | |
| | Total, excluding transportation..... | 187,137 | 184,140 | 182,550 | 179,678 | 173,894 | 170,449 | 166,773 | 161,733 | 158,456 | 186,767 | 185,224 | 183,778 | 181,197 | 166,467 | 165,920 | 164,558 | 163,121 | |
| | Total for industries with unfilled orders..... | 147,932 | 145,818 | 143,777 | 141,308 | 135,031 | 132,525 | 128,656 | 124,226 | 120,701 | 148,300 | 147,157 | 144,991 | 142,339 | 129,047 | 128,518 | 126,448 | 125,139 | |
| | Durable goods industries, total. | 141,555 | 139,483 | 137,768 | 135,287 | 129,141 | 126,176 | 122,688 | 118,725 | 115,424 | 141,696 | 140,657 | 139,020 | 136,674 | 122,891 | 122,540 | 120,963 | 119,969 | |
| | Durable goods with unfilled orders..... | 131,187 | 129,178 | 127,408 | 125,251 | 119,440 | 117,061 | 113,267 | 109,358 | 106,263 | 131,282 | 130,249 | 128,480 | 126,270 | 113,415 | 113,037 | 111,365 | 110,246 | |
| | Nondurable goods industries, total..... | 72,849 | 71,803 | 71,196 | 70,106 | 68,661 | 67,887 | 66,869 | 65,135 | 64,290 | 71,840 | 71,531 | 71,218 | 70,461 | 65,955 | 65,959 | 65,881 | 65,479 | |
| | Nondurable goods with unfilled orders..... | 16,745 | 16,640 | 16,369 | 16,057 | 15,591 | 15,464 | 15,389 | 14,868 | 14,438 | 17,018 | 16,908 | 16,511 | 16,069 | 15,632 | 15,481 | 15,083 | 14,893 | |
| | | MARKET CATEGORIES AND SUPPLEMENTAL SERIES | | | | | | | | | | | | | | | | | |
| | Market categories: Home goods and apparel..... | 17,338 | 17,332 | 17,443 | 17,612 | 16,874 | 16,887 | 16,276 | 15,947 | 15,340 | 18,114 | 17,950 | 17,651 | 17,561 | 17,008 | 16,766 | 16,259 | 15,894 | |
| | Consumer staples..... | 28,928 | 28,144 | 27,563 | 27,199 | 26,429 | 25,919 | 25,407 | 24,157 | 23,942 | 27,712 | 27,552 | 27,365 | 27,254 | 24,330 | 24,393 | 24,446 | 24,218 | |
| | Equipment and defense products, except automotive..... | 55,406 | 54,420 | 53,255 | 52,527 | 50,355 | 48,255 | 46,761 | 44,645 | 42,836 | 55,351 | 54,811 | 53,840 | 53,208 | 46,756 | 46,500 | 45,716 | 45,224 | |
| | Automotive equipment..... | 11,234 | 11,587 | 11,498 | 11,118 | 9,983 | 10,751 | 10,265 | 10,256 | 10,108 | 10,889 | 11,412 | 11,510 | 11,331 | 9,952 | 10,145 | 10,146 | 10,457 | |
| | Construction materials, supplies, and intermediate products..... | 19,015 | 18,646 | 18,441 | 18,036 | 16,963 | 16,503 | 16,293 | 15,853 | 14,935 | 18,936 | 18,794 | 18,657 | 18,369 | 16,224 | 16,215 | 16,242 | 16,145 | |
| | Other materials and supplies and intermediate products.... | 82,483 | 81,157 | 80,764 | 78,901 | 77,198 | 75,748 | 74,555 | 73,002 | 72,553 | 82,534 | 81,669 | 81,215 | 79,412 | 74,576 | 74,480 | 74,035 | 73,510 | |
| | | INDUSTRY GROUPS AND INDUSTRIES | | | | | | | | | | | | | | | | | |
| | Durable goods industries: Stone, clay, and glass products..... | 5,331 | 5,327 | 5,246 | 5,139 | 4,825 | 4,740 | 4,569 | 4,530 | 4,259 | 5,376 | 5,449 | 5,411 | 5,266 | 4,608 | 4,674 | 4,660 | 4,640 | |
| 32 | Glass containers..... | 545 | 527 | 518 | 514 | 498 | 515 | 491 | 485 | 414 | 549 | 531 | 523 | 503 | 495 | 483 | 495 | 475 | |
| 33 | Primary metals, total..... | 18,399 | 18,004 | 18,329 | 17,620 | 18,035 | 17,678 | 17,209 | 16,828 | 17,779 | 18,466 | 18,169 | 18,457 | 17,737 | 17,277 | 17,220 | 17,079 | 16,953 | |
| 331 | Blast furnaces, steel mills. | 10,191 | 9,815 | 10,257 | 9,724 | 9,914 | 9,523 | 8,978 | 8,721 | 9,782 | 10,180 | 9,835 | 10,174 | 9,656 | 8,969 | 8,897 | 8,753 | 8,660 | |
| 333-6,9 | Nonferrous and other primary metals..... | 6,793 | 6,824 | 6,726 | 6,589 | 6,895 | 6,931 | 7,000 | 6,893 | 6,826 | 6,847 | 6,920 | 6,880 | 6,721 | 7,056 | 7,072 | 7,060 | 7,031 | |
| 34 | Fabricated metal prod., total. | 18,632 | 18,186 | 18,067 | 17,746 | 16,799 | 16,374 | 16,130 | 15,573 | 14,760 | 18,685 | 18,396 | 18,210 | 18,013 | 16,197 | 16,196 | 16,018 | 15,825 | |
| 341 | Metal cans, barrels, and drums..... | 1,379 | 1,373 | 1,380 | 1,300 | 1,204 | 1,189 | 1,398 | 1,382 | 1,395 | 1,492 | 1,503 | 1,499 | 1,440 | 1,513 | 1,557 | 1,558 | 1,529 | |
| 35 | Machinery, except electrical, total..... | 34,061 | 33,494 | 32,834 | 32,458 | 31,037 | 29,707 | 28,766 | 27,400 | 26,379 | 34,090 | 33,787 | 33,274 | 32,936 | 28,794 | 28,531 | 28,132 | 27,805 | |
| 351 | Engines and turbines..... | 2,555 | 2,511 | 2,485 | 2,487 | 2,438 | 2,325 | 2,388 | 2,226 | 2,083 | 2,536 | 2,520 | 2,494 | 2,484 | 2,373 | 2,330 | 2,280 | 2,223 | |
| 352 | Farm machinery and equipment | 2,866 | 2,784 | 2,767 | 2,701 | 2,609 | 2,374 | 2,460 | 2,499 | 2,505 | 2,875 | 2,835 | 2,861 | 2,847 | 2,468 | 2,537 | 2,551 | 2,634 | |
| 353 | Construction, mining, and material handling equipment | 7,932 | 7,762 | 7,562 | 7,420 | 7,100 | 6,780 | 6,322 | 5,953 | 5,840 | 7,924 | 7,793 | 7,698 | 7,628 | 6,315 | 6,190 | 6,162 | 6,119 | |
| 354 | Metalworking machinery..... | 2,228 | 2,144 | 2,120 | 2,082 | 1,954 | 1,879 | 1,852 | 1,797 | 1,775 | 2,203 | 2,159 | 2,137 | 2,091 | 1,831 | 1,823 | 1,790 | 1,804 | |
| 356 | General industrial machinery | 3,259 | 3,312 | 3,271 | 3,298 | 3,204 | 3,073 | 2,899 | 2,806 | 2,731 | 3,305 | 3,355 | 3,317 | 3,341 | 2,939 | 2,881 | 2,864 | 2,842 | |

See footnotes at end of table.

Table 4.--VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES AND SUPPLEMENTARY SERIES--Continued

| SIC | Industry | (Millions of dollars) | | | | | | | | | | | | | | | | |
|--------------------------------|---|------------------------|-----------------------|-----------|-----------|---------|----------|--|--------|---------|------------------------|-----------------------|-----------|-----------|-----------|----------|----------------------------|-----------|
| | | Seasonally adjusted | | | | | | Without seasonal adjustment ¹ | | | | | | | | | | |
| | | Monthly | | | Quarterly | | | Monthly | | | | | | | | | | |
| | | June 1979 ^a | May 1979 ^a | Apr. 1979 | Mar. 1979 | IV 1978 | III 1978 | II 1978 | I 1978 | IV 1977 | June 1979 ^a | May 1979 ^a | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Last 4 months (a year ago) | Mar. 1978 |
| INDUSTRY GROUPS AND INDUSTRIES | | | | | | | | | | | | | | | | | | |
| 36 | Electrical machinery, total... | 18,772 | 18,558 | 18,266 | 18,079 | 17,025 | 17,023 | 16,628 | 16,023 | 15,433 | 19,088 | 18,937 | 18,458 | 18,129 | 16,925 | 16,793 | 16,360 | 16,066 |
| 361,2 | Electrical transmission and distribution equipment | 3,541 | 3,504 | 3,470 | 3,371 | 3,240 | 3,159 | 3,150 | 2,976 | 2,959 | 3,547 | 3,534 | 3,492 | 3,387 | 3,155 | 3,088 | 3,044 | 2,991 |
| 363 | Household appliances... | 1,965 | 2,004 | 2,023 | 2,025 | 1,927 | 2,035 | 1,953 | 1,878 | 1,771 | 2,083 | 2,107 | 2,065 | 2,041 | 2,071 | 2,093 | 2,044 | 1,985 |
| 365 | Radio and TV... | 980 | 994 | 998 | 1,015 | 1,019 | 1,001 | 1,019 | 1,029 | 964 | 1,028 | 1,033 | 991 | 979 | 1,068 | 1,083 | 1,024 | 992 |
| 366 | Communication equipment... | 6,120 | 6,000 | 5,926 | 5,832 | 5,441 | 5,404 | 5,168 | 4,961 | 4,819 | 6,144 | 6,070 | 5,958 | 5,875 | 5,190 | 5,165 | 5,029 | 5,001 |
| 367 | Electronic components... | 2,881 | 2,845 | 2,694 | 2,723 | 2,503 | 2,533 | 2,525 | 2,495 | 2,413 | 2,896 | 2,850 | 2,721 | 2,728 | 2,538 | 2,548 | 2,529 | 2,500 |
| 37 | Transportation equipment, total... | 27,267 | 27,146 | 26,414 | 25,715 | 23,908 | 23,614 | 22,784 | 22,127 | 21,258 | 26,769 | 26,964 | 26,460 | 25,938 | 22,379 | 22,579 | 22,286 | 22,327 |
| 371 | Motor vehicles and parts... | 8,851 | 9,177 | 9,061 | 8,752 | 7,668 | 8,500 | 8,003 | 8,019 | 7,851 | 8,550 | 9,002 | 9,016 | 8,848 | 7,731 | 7,884 | 7,879 | 8,107 |
| 372,6 | Aircraft, missiles, and parts... | 14,563 | 14,131 | 13,630 | 13,168 | 12,513 | 11,522 | 11,251 | 10,554 | 10,089 | 14,389 | 14,109 | 13,708 | 13,273 | 11,128 | 11,132 | 10,912 | 10,642 |
| 373,1 | Shipbuilding and military tank vehicles... | 1,686 | 1,714 | 1,595 | 1,732 | 1,721 | 1,729 | 1,761 | 1,840 | 1,618 | 1,719 | 1,733 | 1,600 | 1,723 | 1,797 | 1,842 | 1,780 | 1,834 |
| 38 | Instruments and related products, total... | 7,504 | 7,369 | 7,255 | 7,179 | 6,550 | 6,384 | 6,203 | 6,087 | 5,727 | 7,595 | 7,465 | 7,297 | 7,161 | 6,279 | 6,220 | 6,139 | 6,069 |
| 381-4 | Scientific and engineering... | 4,793 | 4,711 | 4,600 | 4,540 | 4,226 | 4,106 | 3,965 | 3,880 | 3,698 | 4,831 | 4,744 | 4,633 | 4,572 | 3,997 | 3,988 | 3,936 | 3,907 |
| 386 | Photographic goods... | 2,194 | 2,153 | 2,148 | 2,122 | 1,847 | 1,797 | 1,757 | 1,703 | 1,584 | 2,234 | 2,203 | 2,157 | 2,088 | 1,789 | 1,747 | 1,726 | 1,675 |
| 24 | All other durable goods industries... | 11,589 | 11,399 | 11,357 | 11,351 | 10,962 | 10,656 | 10,399 | 10,157 | 9,829 | 11,627 | 11,490 | 11,453 | 11,494 | 10,432 | 10,327 | 10,289 | 10,284 |
| 20 | Non-durable goods industries: Food and kindred products, total... | 19,234 | 18,564 | 18,157 | 18,033 | 17,099 | 16,895 | 16,643 | 15,968 | 15,575 | 18,031 | 17,921 | 17,890 | 17,910 | 15,582 | 15,858 | 15,932 | 15,862 |
| 201 | Meat products... | 1,685 | 1,647 | 1,656 | 1,645 | 1,646 | 1,583 | 1,420 | 1,386 | 1,286 | 1,706 | 1,701 | 1,710 | 1,667 | 1,437 | 1,495 | 1,468 | 1,404 |
| 208 | Beverages... | 3,551 | 3,600 | 3,534 | 3,471 | 3,446 | 3,260 | 3,063 | 2,982 | 2,941 | 3,476 | 3,597 | 3,584 | 3,564 | 2,999 | 3,070 | 3,078 | 3,063 |
| 207 | Fats and oils... | 1,634 | 1,520 | 1,526 | 1,648 | 1,371 | 1,482 | 1,482 | 1,564 | 1,357 | 1,514 | 1,496 | 1,580 | 1,722 | 1,372 | 1,568 | 1,635 | 1,583 |
| 203-6,9 | All other foods... | 10,735 | 10,199 | 9,871 | 9,789 | 9,255 | 9,411 | 9,402 | 8,826 | 8,836 | 9,683 | 9,526 | 9,476 | 9,525 | 8,480 | 8,454 | 8,555 | 8,588 |
| 21 | Tobacco products... | 3,761 | 3,589 | 3,572 | 3,545 | 3,639 | 3,481 | 3,501 | 3,405 | 3,524 | 3,531 | 3,521 | 3,654 | 3,754 | 3,287 | 3,411 | 3,544 | 3,606 |
| 22 | Textile mill products... | 5,666 | 5,687 | 5,729 | 5,735 | 5,620 | 5,601 | 5,475 | 5,445 | 5,294 | 5,746 | 5,823 | 5,818 | 5,813 | 5,553 | 5,563 | 5,481 | 5,522 |
| 26 | Paper and allied products, total... | 6,391 | 6,310 | 6,192 | 6,003 | 5,868 | 5,855 | 5,869 | 5,664 | 5,622 | 6,429 | 6,398 | 6,271 | 6,005 | 5,904 | 5,880 | 5,760 | 5,666 |
| 261-3 | Pulp, paper, etc... | 2,114 | 2,098 | 2,059 | 2,048 | 2,003 | 2,010 | 2,107 | 2,122 | 2,099 | 2,126 | 2,129 | 2,086 | 2,055 | 2,118 | 2,121 | 2,145 | 2,129 |
| 265 | Paperboard containers... | 1,788 | 1,763 | 1,756 | 1,734 | 1,697 | 1,719 | 1,681 | 1,608 | 1,590 | 1,806 | 1,786 | 1,787 | 1,741 | 1,698 | 1,682 | 1,614 | 1,614 |
| 264 | All other paper containers... | 2,489 | 2,449 | 2,377 | 2,221 | 2,168 | 2,126 | 2,081 | 1,934 | 1,933 | 2,497 | 2,483 | 2,398 | 2,209 | 2,088 | 2,077 | 1,962 | 1,923 |
| 28 | Chemicals and allied products, total... | 15,910 | 15,974 | 15,937 | 15,520 | 15,461 | 15,317 | 14,861 | 14,426 | 14,134 | 15,696 | 15,836 | 15,958 | 15,835 | 14,637 | 14,618 | 14,759 | 14,727 |
| 281,6 | Industrial chemicals, except pigments... | 4,694 | 4,703 | 4,596 | 4,447 | 4,495 | 4,614 | 4,411 | 4,334 | 4,312 | 4,619 | 4,646 | 4,564 | 4,487 | 4,340 | 4,368 | 4,368 | 4,373 |
| 283,4 | Drugs, soap, and toiletries... | 5,208 | 5,107 | 5,059 | 4,967 | 4,838 | 4,771 | 4,576 | 4,288 | 4,222 | 5,265 | 5,184 | 5,084 | 4,992 | 4,626 | 4,544 | 4,459 | 4,309 |
| 29 | Petroleum and coal products... | 5,266 | 5,054 | 5,121 | 5,022 | 5,458 | 5,406 | 5,397 | 5,591 | 5,992 | 5,249 | 5,031 | 5,015 | 4,896 | 5,374 | 5,275 | 5,451 | 5,446 |
| 30 | Rubber and plastics products, n.e.c... | 4,975 | 4,958 | 4,906 | 4,717 | 4,580 | 4,561 | 4,521 | 4,401 | 4,281 | 4,960 | 4,983 | 4,956 | 4,837 | 4,507 | 4,523 | 4,496 | 4,517 |
| 23 | All other non-durable goods industries... | 11,646 | 11,667 | 11,582 | 11,531 | 10,936 | 10,771 | 10,602 | 10,235 | 9,868 | 12,198 | 12,018 | 11,656 | 11,411 | 11,111 | 10,831 | 10,458 | 10,133 |

^aPreliminary.^bRevised.¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries - Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries - The capital goods industries series is comparable to the previous Producers' Capital Goods and the Defense Products (old series) categories.

Nondefense products-- Machinery, except electrical (excluding farm machinery and machine shops), electrical machinery (excluding household appliances, radio and TV and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products-- Based on separate reports on defense work filled by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, Shipments of Defense Oriented Industries, for the specified industries.

(Millions of dollars)

| Industry | Seasonally adjusted | | | | | | | | | | Without seasonal adjustment | | | | | | | | | |
|--|------------------------|-----------------------|-----------|-----------|---------|-----------|---------|---------|---------|---------|-----------------------------|-----------------------|-----------|-----------|-----------|----------|----------------------------|-----------|--|--|
| | Monthly | | | | | Quarterly | | | | | Monthly | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | Jun. 1979 ^p | May 1979 ^r | Apr. 1979 | Mar. 1979 | IV 1978 | III 1978 | II 1978 | I 1978 | IV 1977 | TOTAL | June 1979 ^p | May 1979 ^r | Apr. 1979 | Mar. 1979 | June 1978 | May 1978 | Last 4 months (a year ago) | Mar. 1978 | | |
| All manufacturing industries, total.. | 214,404 | 211,286 | 208,964 | 205,393 | 197,802 | 194,063 | 189,557 | 183,860 | 179,714 | 213,536 | 212,188 | 210,238 | 207,135 | 188,846 | 188,499 | 186,844 | 185,448 | | | |
| Durable goods industries, total..... | 141,555 | 139,483 | 137,768 | 135,287 | 129,141 | 126,176 | 122,688 | 118,725 | 115,426 | 141,696 | 140,657 | 139,020 | 136,674 | 122,891 | 122,540 | 120,963 | 119,969 | | | |
| Stone, clay, and glass products..... | 5,331 | 5,327 | 5,246 | 5,139 | 4,825 | 4,740 | 4,569 | 4,530 | 4,259 | 5,376 | 5,449 | 5,411 | 5,266 | 4,608 | 4,674 | 4,660 | 4,640 | | | |
| Primary metals..... | 18,399 | 18,004 | 18,329 | 17,620 | 18,035 | 17,678 | 17,209 | 16,828 | 17,779 | 18,466 | 18,169 | 18,457 | 17,737 | 16,197 | 17,220 | 17,079 | 16,953 | | | |
| Fabricated metals..... | 18,632 | 18,186 | 18,067 | 17,746 | 16,799 | 16,374 | 16,130 | 15,573 | 14,760 | 18,685 | 18,396 | 18,210 | 18,013 | 16,197 | 16,196 | 16,018 | 15,825 | | | |
| Nonferrous metals..... | 34,061 | 33,494 | 32,834 | 32,458 | 31,037 | 29,707 | 28,766 | 27,400 | 26,379 | 34,090 | 33,787 | 33,274 | 32,936 | 28,531 | 28,531 | 28,132 | 27,805 | | | |
| Electrical machinery..... | 18,772 | 18,558 | 18,266 | 18,079 | 17,025 | 17,023 | 16,628 | 16,023 | 15,433 | 19,088 | 18,937 | 18,458 | 18,129 | 16,925 | 16,793 | 16,360 | 16,066 | | | |
| Transportation equipment..... | 27,267 | 27,146 | 26,414 | 25,715 | 23,908 | 23,614 | 22,784 | 22,127 | 21,258 | 26,769 | 26,964 | 26,460 | 25,938 | 22,579 | 22,579 | 22,286 | 22,327 | | | |
| Instrument and related products..... | 7,504 | 7,369 | 7,255 | 7,179 | 6,550 | 6,384 | 6,203 | 6,087 | 5,727 | 7,595 | 7,465 | 7,297 | 7,161 | 6,279 | 6,220 | 6,139 | 6,069 | | | |
| All other durable goods industries..... | 11,589 | 11,399 | 11,357 | 11,351 | 10,962 | 10,656 | 10,399 | 10,157 | 9,829 | 11,627 | 11,490 | 11,453 | 11,494 | 10,432 | 10,327 | 10,289 | 10,284 | | | |
| Nonferrous goods industries, total..... | 72,849 | 71,803 | 71,196 | 70,106 | 68,661 | 67,887 | 66,869 | 65,135 | 64,290 | 71,840 | 71,531 | 71,218 | 70,461 | 65,955 | 65,959 | 65,881 | 65,479 | | | |
| Chemicals and allied products..... | 15,910 | 15,974 | 15,937 | 15,520 | 15,461 | 15,317 | 14,861 | 14,426 | 14,134 | 15,696 | 15,836 | 15,958 | 15,835 | 14,637 | 14,618 | 14,759 | 14,727 | | | |
| Petroleum and coal products..... | 5,266 | 5,054 | 5,121 | 5,022 | 5,458 | 5,406 | 5,397 | 5,591 | 5,982 | 5,249 | 5,083 | 5,051 | 4,896 | 5,374 | 5,275 | 5,451 | 5,446 | | | |
| Rubber and plastics products, n.e.c..... | 4,975 | 4,958 | 4,906 | 4,717 | 4,580 | 4,561 | 4,521 | 4,401 | 4,281 | 4,960 | 4,983 | 4,956 | 4,837 | 4,507 | 4,523 | 4,496 | 4,517 | | | |
| All other nondurable goods industries.. | 46,698 | 45,817 | 45,232 | 44,847 | 43,162 | 42,603 | 42,090 | 40,717 | 39,883 | 45,935 | 45,681 | 45,289 | 44,893 | 41,437 | 41,543 | 41,175 | 40,789 | | | |
| MATERIALS AND SUPPLIES | | | | | | | | | | | | | | | | | | | | |
| All manufacturing industries, total.. | 73,524 | 72,767 | 71,777 | 71,069 | 67,863 | 67,241 | 65,981 | 64,277 | 63,821 | 72,721 | 72,214 | 71,589 | 71,409 | 65,252 | 64,812 | 64,383 | 64,597 | | | |
| Durable goods industries, total..... | 44,732 | 44,475 | 43,585 | 43,300 | 41,325 | 41,133 | 39,667 | 38,547 | 38,719 | 44,432 | 44,133 | 43,381 | 43,353 | 39,405 | 39,177 | 38,608 | 38,592 | | | |
| Stone, clay, and glass products..... | 1,995 | 2,020 | 1,919 | 1,931 | 1,849 | 1,827 | 1,736 | 1,692 | 1,706 | 1,984 | 2,027 | 1,969 | 1,958 | 1,727 | 1,730 | 1,681 | 1,715 | | | |
| Primary metals..... | 6,720 | 6,552 | 6,326 | 6,515 | 6,534 | 6,544 | 6,443 | 6,393 | 7,141 | 6,698 | 6,432 | 6,412 | 6,451 | 6,424 | 6,313 | 6,271 | 6,334 | | | |
| Fabricated metals..... | 6,614 | 6,466 | 6,316 | 6,291 | 5,971 | 5,942 | 5,843 | 5,634 | 5,515 | 6,516 | 6,362 | 6,292 | 6,394 | 5,764 | 5,794 | 5,715 | 5,733 | | | |
| Nonferrous metals..... | 9,465 | 9,360 | 9,044 | 9,028 | 8,743 | 8,412 | 8,012 | 7,497 | 7,345 | 9,453 | 9,367 | 9,107 | 9,144 | 8,002 | 7,903 | 7,757 | 7,592 | | | |
| Electrical machinery..... | 5,468 | 5,376 | 5,235 | 5,211 | 4,949 | 4,979 | 4,819 | 4,581 | 4,520 | 5,498 | 5,436 | 5,281 | 5,190 | 4,844 | 4,780 | 4,669 | 4,561 | | | |
| Transportation equipment..... | 7,552 | 7,920 | 7,783 | 7,539 | 6,791 | 7,122 | 6,736 | 6,782 | 6,733 | 7,409 | 7,761 | 7,676 | 7,508 | 6,612 | 6,684 | 6,634 | 6,759 | | | |
| Instrument and related products..... | 2,285 | 2,244 | 2,213 | 2,217 | 1,899 | 1,834 | 1,830 | 1,860 | 1,749 | 2,286 | 2,250 | 2,207 | 2,170 | 1,831 | 1,852 | 1,816 | 1,820 | | | |
| All other durable goods industries..... | 4,633 | 4,537 | 4,551 | 4,568 | 4,504 | 4,463 | 4,247 | 4,108 | 4,010 | 4,588 | 4,440 | 4,437 | 4,538 | 4,201 | 4,121 | 4,065 | 4,078 | | | |
| Nonferrous goods industries, total..... | 28,792 | 28,292 | 28,192 | 27,769 | 26,538 | 26,108 | 26,314 | 25,730 | 25,102 | 28,289 | 28,081 | 28,208 | 28,056 | 25,847 | 25,635 | 25,775 | 26,005 | | | |
| Chemicals and allied products..... | 6,070 | 6,079 | 5,977 | 5,860 | 5,474 | 5,437 | 5,440 | 5,226 | 5,084 | 5,954 | 5,986 | 5,934 | 5,908 | 5,328 | 5,247 | 5,292 | 5,270 | | | |
| Petroleum and coal products..... | 1,513 | 1,437 | 1,447 | 1,449 | 1,330 | 1,443 | 1,427 | 1,446 | 1,437 | 1,545 | 1,464 | 1,454 | 1,441 | 1,463 | 1,402 | 1,476 | 1,478 | | | |
| Rubber and plastics products, n.e.c..... | 1,748 | 1,717 | 1,754 | 1,622 | 1,491 | 1,474 | 1,434 | 1,447 | 1,373 | 1,755 | 1,687 | 1,695 | 1,579 | 1,461 | 1,437 | 1,406 | 1,407 | | | |
| All other nondurable goods industries.. | 19,461 | 19,059 | 19,014 | 18,838 | 18,243 | 17,754 | 18,013 | 17,571 | 17,208 | 19,035 | 18,944 | 19,125 | 19,128 | 17,616 | 17,549 | 17,601 | 17,850 | | | |
| WORK IN PROCESS | | | | | | | | | | | | | | | | | | | | |
| All manufacturing industries, total.. | 72,779 | 71,419 | 70,523 | 68,996 | 66,217 | 63,859 | 61,961 | 59,699 | 56,980 | 72,522 | 71,691 | 70,911 | 69,448 | 61,761 | 61,562 | 61,013 | 60,083 | | | |
| Durable goods industries, total..... | 61,478 | 60,084 | 59,330 | 58,009 | 55,484 | 53,375 | 51,684 | 49,491 | 46,864 | 61,238 | 60,377 | 59,759 | 58,516 | 51,502 | 51,228 | 50,703 | 49,933 | | | |
| Stone, clay, and glass products..... | 844 | 827 | 796 | 769 | 688 | 692 | 696 | 684 | 650 | 856 | 865 | 855 | 816 | 706 | 724 | 728 | 725 | | | |
| Primary metals..... | 6,567 | 6,406 | 6,387 | 6,253 | 6,363 | 6,155 | 5,814 | 5,690 | 5,760 | 6,597 | 6,526 | 6,649 | 6,284 | 5,851 | 5,851 | 5,867 | 5,723 | | | |
| Fabricated metals..... | 7,655 | 7,347 | 7,375 | 7,129 | 6,619 | 6,469 | 6,371 | 6,154 | 5,413 | 7,702 | 7,455 | 7,402 | 7,161 | 6,418 | 6,355 | 6,316 | 6,188 | | | |
| Nonferrous metals..... | 15,383 | 15,383 | 15,132 | 15,003 | 14,333 | 13,556 | 13,048 | 12,547 | 11,803 | 15,566 | 15,470 | 15,284 | 15,105 | 12,980 | 12,795 | 12,611 | 12,539 | | | |
| Electrical machinery..... | 8,936 | 8,800 | 8,676 | 8,516 | 7,815 | 7,645 | 7,452 | 7,259 | 6,835 | 9,002 | 8,882 | 8,692 | 8,517 | 7,505 | 7,476 | 7,375 | 7,256 | | | |
| Transportation equipment..... | 15,777 | 15,385 | 14,985 | 14,593 | 14,156 | 13,506 | 13,126 | 12,266 | 11,655 | 15,493 | 15,324 | 15,093 | 14,840 | 12,896 | 12,963 | 12,759 | 12,481 | | | |
| Instrument and related products..... | 3,310 | 3,282 | 3,211 | 3,164 | 3,049 | 2,966 | 2,827 | 2,768 | 2,578 | 3,357 | 3,295 | 3,233 | 3,215 | 2,867 | 2,850 | 2,837 | 2,793 | | | |
| All other durable goods industries..... | 2,741 | 2,654 | 2,568 | 2,562 | 2,461 | 2,386 | 2,350 | 2,213 | 2,170 | 2,665 | 2,560 | 2,551 | 2,578 | 2,287 | 2,214 | 2,210 | 2,228 | | | |
| Nonferrous goods industries, total..... | 11,301 | 11,335 | 11,193 | 10,987 | 10,733 | 10,484 | 10,277 | 10,208 | 10,116 | 11,284 | 11,314 | 11,152 | 10,932 | 10,259 | 10,334 | 10,310 | 10,150 | | | |
| Chemicals and allied products..... | 2,487 | 2,553 | 2,581 | 2,510 | 2,532 | 2,416 | 2,262 | 2,246 | 2,207 | 2,507 | 2,568 | 2,609 | 2,568 | 2,276 | 2,318 | 2,325 | 2,278 | | | |
| Petroleum and coal products..... | 1,563 | 1,486 | 1,526 | 1,482 | 1,363 | 1,280 | 1,286 | 1,385 | 1,374 | 1,601 | 1,530 | 1,528 | 1,434 | 1,322 | 1,319 | 1,350 | 1,340 | | | |
| Rubber and plastics products, n.e.c..... | 877 | 880 | 821 | 803 | 797 | 761 | 762 | 726 | 703 | 852 | 845 | 805 | 798 | 741 | 729 | 719 | 721 | | | |
| All other nondurable goods industries.. | 6,374 | 6,416 | 6,265 | 6,192 | 6,041 | 6,027 | 5,967 | 5,871 | 5,775 | 6,324 | 6,371 | 6,210 | 6,132 | 5,920 | 5,968 | 5,916 | 5,811 | | | |
| FINISHED GOODS | | | | | | | | | | | | | | | | | | | | |
| All manufacturing industries, total.. | 68,101 | 67,100 | 66,664 | 65,328 | 63,722 | 62,963 | 61,615 | 59,884 | 58,914 | 68,293 | 68,283 | 67,738 | 66,278 | 61,833 | 62,125 | 61,448 | 60,768 | | | |
| Durable goods industries, total..... | 35,545 | 34,924 | 34,853 | 33,978 | 32,332 | 31,668 | 31,337 | 30,687 | 29,843 | 36,026 | 36,147 | 35,880 | 34,805 | 31,984 | 32,135 | 31,552 | 31,444 | | | |
| Stone, clay, and glass products..... | 2,492 | 2,480 | 2,531 | 2,459 | 2,288 | 2,221 | 2,137 | 2,154 | 1,903 | 2,536 | 2,557 | 2,587 | 2,492 | 2,175 | 2,220 | 2,251 | 2,200 | | | |
| Primary metals..... | 5,162 | 5,046 | 5,216 | 4,852 | 5,053 | 4,969 | 4,951 | 4,745 | 4,788 | 5,171 | 5,211 | 5,396 | 5,002 | 4,510 | 4,506 | 4,941 | 4,896 | | | |
| Fabricated metals..... | 4,363 | 4,373 | 4,378 | 4,326 | 4,209 | 3,963 | 3,963 | 3,785 | 3,832 | 4,467 | 4,421 | 4,516 | 4,458 | 4,015 | 4,047 | 3,987 | 3,904 | | | |
| Nonferrous metals..... | 8,948 | 8,751 | 8,658 | 8,427 | 7,961 | 7,739 | 7,706 | 7,446 | 7,231 | 9,071 | 8,950 | 8,883 | 8,687 | 7,812 | 7,950 | 7,834 | 7,674 | | | |
| Electrical machinery..... | 4,368 | 4,382 | 4,355 | 4,352 | 4,261 | 4,399 | 4,357 | 4,183 | 4,079 | 4,588 | 4,619 | 4,485 | 4,422 | 4,576 | 4,537 | 4,316 | 4,249 | | | |
| Transportation equipment..... | 3,938 | 3,843 | 3,646 | 3,583 | 2,961 | 2,986 | 2,922 | 3,079 | 2,870 | 3,867 | 3,879 | 3,871 | 3,590 | 2,871 | 2,932 | 2,893 | 3,087 | | | |
| Instrument and related products..... | 1,909 | 1,843 | 1,831 | 1,778 | 1,602 | 1,584 | 1,546 | 1,459 | 1,400 | 1,952 | 1,920 | 1,857 | 1,776 | 1,518 | 1,518 | 1,486 | 1,456 | | | |

Table 6.--MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS MONTH-TO-MONTH AND LONG TERM PERCENT CHANGES

(Based on seasonally adjusted data)

| Item and industry group | Month-to-month | | | Average monthly rates of change | | | | Average, 1974-1978 | |
|---|----------------|----------------|------------------|---------------------------------|---------------------|-----------------|---------------------|--------------------|-----------------|
| | May-June 1979 | April-May 1979 | March-April 1979 | 3 months | | | 12 months | Average rise | Average decline |
| | | | | March-June 1979 | Dec. 1978-Mar. 1979 | Sept.-Dec. 1978 | June 1978-June 1979 | | |
| Shipments: | | | | | | | | | |
| All manufacturing industries..... | -2.1 | +5.4 | -5.6 | -0.8 | +2.1 | +1.8 | +1.0 | +1.7 | -1.5 |
| Durable goods industries, total..... | -3.4 | +5.9 | -7.3 | -1.6 | +2.0 | +2.1 | +1.0 | +2.0 | -1.9 |
| Nondurable goods industries, total..... | -0.7 | +4.9 | -3.6 | +0.2 | +2.4 | +1.4 | +1.1 | +1.7 | -0.8 |
| Total inventories: | | | | | | | | | |
| All manufacturing industries..... | +1.5 | +1.1 | +1.7 | +1.4 | +1.3 | +0.6 | +1.0 | +0.9 | -0.3 |
| New orders: | | | | | | | | | |
| All manufacturing industries..... | -1.3 | +3.3 | -6.1 | -1.4 | +2.2 | +2.1 | +1.0 | +2.1 | -1.7 |
| Durable goods industries, total..... | -2.0 | +2.1 | -8.2 | -2.7 | +2.3 | +2.7 | +1.1 | +3.3 | -2.2 |
| Nondurable goods industries, total..... | -0.5 | +4.7 | -3.2 | +0.3 | +2.2 | +1.4 | +1.0 | +1.7 | -0.9 |
| Unfilled orders: | | | | | | | | | |
| Durable goods industries, total..... | +1.3 | +1.0 | +2.0 | +1.4 | +3.1 | +2.6 | +2.0 | +1.5 | -0.8 |

Table 7.--RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

| Industry group | Inventories--shipments ratio | | | | Unfilled orders--shipments ratio ¹ (months' backlog) | | | |
|--|------------------------------|-----------------------|------------|------------|--|-----------------------|------------|------------|
| | June 1979 ^P | May 1979 ^r | April 1979 | March 1979 | June 1979 ^P | May 1979 ^r | April 1979 | March 1979 |
| All manufacturing industries, total..... | 1.53 | 1.48 | 1.54 | 1.43 | 3.68 | 3.56 | 3.71 | 3.42 |
| Durable goods industries, total..... | 1.92 | 1.83 | 1.91 | 1.74 | 4.37 | 4.23 | 4.40 | 4.01 |
| Stone, clay, and glass products..... | 1.28 | 1.28 | 1.36 | 1.31 | 0.82 | 0.82 | 0.89 | 0.79 |
| Primary metals..... | 1.58 | 1.44 | 1.74 | 1.44 | 2.79 | 2.61 | 3.13 | 2.59 |
| Fabricated metals..... | 2.05 | 1.94 | 2.07 | 1.80 | 3.38 | 3.34 | 3.56 | 3.10 |
| Machinery, except electrical..... | 2.61 | 2.52 | 2.52 | 2.44 | 4.82 | 4.72 | 4.74 | 4.58 |
| Electrical machinery..... | 1.99 | 2.04 | 2.06 | 1.93 | 3.61 | 3.71 | 3.75 | 3.50 |
| Transportation equipment..... | 1.69 | 1.53 | 1.59 | 1.40 | 11.53 | 10.61 | 10.35 | 9.57 |
| Instruments and related products..... | 2.55 | 2.55 | 2.58 | 2.45 | 1.93 | 1.91 | 1.96 | 1.85 |
| Nondurable goods industries, total..... | 1.10 | 1.08 | 1.12 | 1.06 | 0.75 | 0.73 | 0.76 | 0.75 |
| Food and kindred products..... | 0.98 | 0.94 | 0.94 | 0.90 | (X) | (X) | (X) | (X) |
| Tobacco products..... | 4.55 | 3.50 | 3.66 | 3.51 | (X) | (X) | (X) | (X) |
| Textile mill products..... | 1.44 | 1.45 | 1.47 | 1.49 | (NA) | (NA) | (NA) | (NA) |
| Paper and allied products..... | 1.17 | 1.12 | 1.14 | 1.08 | (NA) | (NA) | (NA) | (NA) |
| Chemicals and allied products..... | 1.28 | 1.29 | 1.37 | 1.26 | (X) | (X) | (X) | (X) |
| Petroleum and coal products..... | 0.50 | 0.48 | 0.53 | 0.50 | (X) | (X) | (X) | (X) |
| Rubber and plastics products, n.e.c..... | 1.31 | 1.30 | 1.34 | 1.20 | (X) | (X) | (X) | (X) |

(NA) Not available. ^PPreliminary. ^rRevised. (X) Not applicable.

¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

The following is a description of the survey and definitions used. These are provided to clarify the meaning of the items involved and do not represent any revisions from those definitions previously employed.

DESCRIPTION OF SURVEY

The Manufacturers' Shipments, Inventories, and Orders Survey (M3-1) provides monthly figures that are comparable to the annual totals published each year in the Annual Survey of Manufactures (ASM). The ASM is a probability sample of approximately 70,000 manufacturing establishments drawn from the most recent 5-year census universe of about 312,000 establishments. In the ASM, each manufacturing establishment provides data on employment, payrolls, shipments, cost of materials, capital expenditures, and inventories as well as other selected items. Until 1976, the ASM did not compile information on unfilled orders or new orders. Since the ASM is establishment based, it provides data for each of the 425 manufacturing industries in the Standard Industrial Classification (SIC) system and area data for industry groups.

The estimates presented in the M3 report are based on a sample panel of approximately 5,000 reporting units, consisting of virtually all manufacturing companies with 1,000 or more employees and additional medium-sized companies that strengthen the sample coverage in individual industry cells. The reporting unit for many medium- or single-line companies comprises all operations of the company. Many of the larger diversified companies file separate divisional reports for their operations in different industries, although this divisional reporting is not followed by all large companies.

Each reporting unit in the monthly panel is classified into one of 79 industry classifications for tabulation. Many of the reporting units included mixed industry activity even within the broad industry categories of the monthly survey. However, the survey estimating procedure assumes that the month-to-month changes of the reporting units classified in each industry category effectively represent the month-to-month movements of the establishments in the SIC industries which make up the category. This ratio estimating procedure is used for all items compiled in the survey except for new orders which is discussed separately below.

The M3 series is periodically benchmarked to the ASM for shipments and inventories. The most recent benchmark was for 1974 through 1976 and issued in the report M3-1.7 released in March 1978. In the absence of benchmark data for unfilled orders, levels were set in August 1962 based upon the ratio of unfilled orders to sales for companies reporting in the M3. These levels were reset as of December 1973 in the M3-1.6 benchmark publication released in December 1976.

The M3 data are subject to some limitations primarily resulting from the relatively small sample used to develop the estimates and the use of divisional and company reports to extrapolate establishment based data. Precise measurement of these limitations based on estimates of the sampling errors is not available. In addition to the general limitations of M3 survey data, the estimated levels of unfilled orders are subject to further limitations due to the assumptions made in developing these levels, the definition of unfilled orders, and response

difficulties. These limitations are discussed in greater detail on pages i-iv in the introductory chapter of the latest benchmark publication mentioned above. Generally, the limitations to the unfilled orders data primarily apply to the absolute level of unfilled orders and, to a much lesser extent, to the month-to-month change in unfilled orders. Since this month-to-month change in unfilled orders is used to develop the monthly estimates of new orders, the estimates of new orders are subject to fewer limitations than the unfilled orders estimates.

EXPLANATION OF TERMS

Value of Shipments—Shipments in the monthly survey are equivalent to value of shipments as reported in the ASM which are received or receivable net selling values, f.o.b. plant, after discounts and allowances and excluding freight charges and excise taxes. Included in shipments are the value of all products sold, transferred to other plants of the same company, or shipped on consignment.

Shipments also include receipts of establishments in the industry for contract work performed for other, resales, receipts for miscellaneous activities such as the sale of scrap and refuse; value of installation and repair work performed by employees of the plant; and value of research and development performed at the plant. In the ship building industry the value of work done in a given year varies considerably from the value of shipments because of the long lead time between the input of the materials and labor and the shipments of the completed ship. In the annual survey, therefore, the value of work done during the year is requested rather than the value of shipments. Value of work done is also reported by aircraft and missile producers working on cost-plus contracts.

The value of shipments figures developed from the ASM contain duplication at the all manufacturing and industry group levels since the products of some industries are used as materials by other industries within the industry group. With the exception of motor vehicles, it is not significant at the 4-digit SIC group level. Since the M3-1 industry categories typically are groupings of industries, this duplication is significant for all the manufacturing, durable goods and nondurable goods categories and the various market groups. The significance of the duplication within the specific M3-1 industry groups varies depending on the 4-digit industry composition of these groups. It is most pronounced in a few highly integrated industry areas such as primary metals and motor vehicles and parts.

Since most monthly reports are for the entire company or major divisions rather than establishments, the companies are requested to report net sales, i.e., total company billings after discounts and allowances. Companies which file divisional reports are requested to treat transfers from the division of the company to another as if they were net sales to outside customers. Although this definition of shipments in the monthly reports differs from that used in the annual establishment reports, it is assumed that the month-to-month changes in company sales in the industry are representative of the month-to-month shipments of the establishments in the industry.

Inventories—End-of-month inventories in the monthly survey are identical in definition to the end-of-year inventories in the ASM. In the ASM, respondents are asked to report inventories of individual establishments at approximate current cost if feasible; otherwise, “at book values.” Since different methods of inventory valuation are used (LIFO, FIFO, etc.), the definition of the aggregate inventories for establishments in an industry is not precise. The figures on the change in inventories from one period to the next are of greater significance than the actual aggregates.

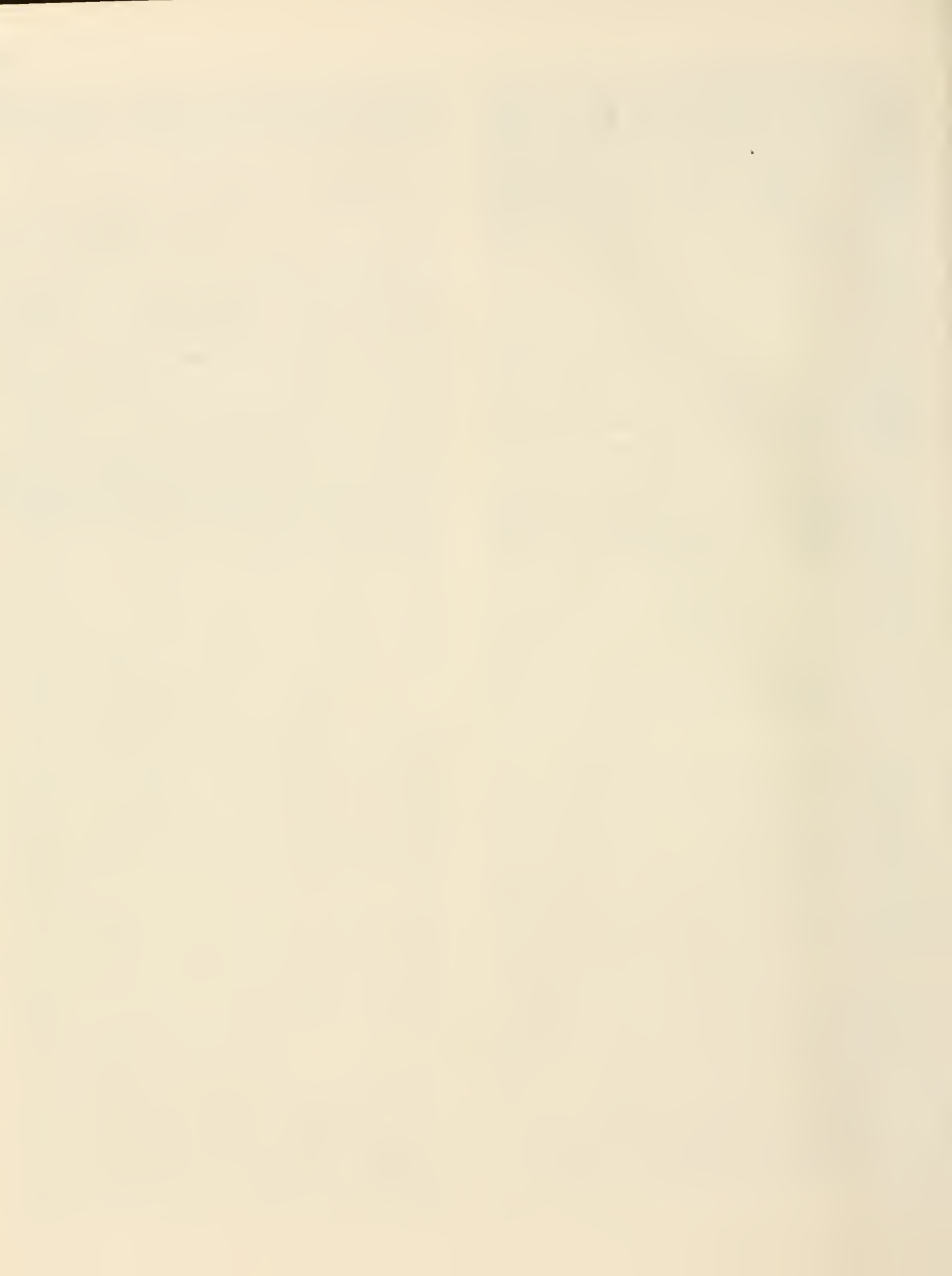
Inventories are reported by stage of fabrication: (a) finished goods; (b) work in process; and (c) materials, supplies, fuel, and other inventories. In using inventories by stage of fabrication at the all manufacturing and 2-digit industry levels as well as for the durable and nondurable goods sectors, it should be noted that a finished product of one industry may be a raw material for another industry at the next stage of fabrication. Insofar as the durable and nondurable goods sectors and also the 2-digit industry groups contain industries with successive stages of processing, the same type of commodity may be included under different inventory categories in the aggregate statistics.

New Orders and Unfilled Orders—The unfilled orders shown in this publication represent the net sales value of goods on order which have not been shipped. They are net of cancellations and include all adjustments resulting from contract

change documents. Only those orders supported by binding legal documents such as signed contracts or letter contracts are included. Some large defense contracts are authorized and funded in several stages. Only the funded portion of such contracts are included in these figures.

New orders are not calculated according to the standard ratio estimate procedure, even though they are collected as a separate item. The reason for this is that not all companies report new orders, and some that do limit their reporting to specific products for which long lead times are required in the production cycle. These companies, in effect, exclude new orders received for products that are shipped from inventory. To take advantage of the higher response rate for shipments data and to include orders filled from inventory, new orders are computed by adding the change in the backlog of unfilled orders to the current month's shipments. Thus, the estimate of new orders includes orders that are received and filled in the same month as well as orders that have not yet been filled. The estimate also includes the effects of cancellations and modifications of previously existing contracts.

Seasonally adjusted new orders are similarly derived from the monthly change in the seasonally adjusted backlog of unfilled orders and seasonally adjusted shipments. Many nondurable goods industries and some durable goods industries have no backlog of unfilled orders. Shipments are used as the estimate of new orders in these industries.





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